# The Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 354. -- Vol. XII.]

LONDON: SATURDAY JUNE 4, 1842.

PRICE 6D.

VALUABLE MINERAL PROPERTY, near Llanelly, South

RYNDU COAL and IRON. WORKS, GLAMORGANSHIRE.

LIGIBLE INVESTMENT OF CAPITAL IN MINES in

of Motilor, which has yielded in-likewise, having several productive distrated Thorntres vein, which pro-eds of 1,000,0001, sterling, round, held under the Marquis or at a very moderate royalty or rest, ring them on an extremore scale, in perfect order, with grood whimsten have a decided advantage over the easons of the year, and case conse-out the great expense of steam-en-mes.

ORTH MOSDALE MINE.—TO BE SOLD, FOUR (20ths)

REMENT-MOST IMPORTANT AND VALUABLE IN. Architects, Engineers, Contractors, Budders, Manons, Pian-Lalas to Bhlyopers,—The PATENT STUCCO PAINT CE-y article abbiects introduced, processes the following ex-properties:—Remarkable advantages, fixing most tree

MOKE NUISANCE.—ECONOMY OF FUEL WITHOUT THE NUISANCE PROM SMOKE, by C. W. WILLIAMS'S AIR FURNACE.

STEAM-ENGINE. —TO BE SOLD, a PUMPING ENGINE, apply at the office of this fournal.

ENGLISH MANUFACTURE OF SPELTER.—The great ad-vance in the price of this article has led to a considerable RISK in the PRICE of BLACK JACK ORF4. Parties in want of the material may be supplied with

TO THE SMELTERS OF BLACK JACK. — Parties wishing to PURCHASE BLACK JACK OREs, may be supplied by applying to MeJohn Williams, at Wheal Whidden Mine, in the partish of Kea, near Truro. Mesers,
Johnson and Co., of listing-garden, have just returned the produce of a sample
sasayed by them at Jeig per cent, and which those gentlemes, state appears in long of
very good quality.—Wheal Whidden Mine, May 5.

COLOMBIAN MINING ASSOCIATION.—The Seventeenth ANNUAL GENERAL MEETING of the proprietors of the Colombian Mining Association will be held at the office of the association, No. 13, Austinitiary, on Thursday, the 16th of June next, at Two o'cloric percents.

Office, 13, Austinitians, London, Mrs. 16.

Office, 13, Austinfriare, London, May 30.

TREGOLLAN MINING COMPANY.—Notice is hereby fiven, that the ANNUAL GENERAL MEETING of shareholders in the trougeline Mining Company, held by public advertisement this day, stands ABJOURNESS to Tuesday, the 1th June issue, at One o'clock precising, at the office of the company.

ROYAL POLBEROU CONSOLS MINING COMPANY.

ONDON and BIRMINGHAM RAILWAY—ALTERATION

ANDREW SHITTERS PAYENT WISE EGFS.

ANDREW SHITTERS PAYENT WISE EGFS.

Every day's experiment power the cost advantage tile stops for
the above prognose, from the exceepin, developing, spirite of his

Lazy Wises, Jose of his

OCOMOTIVE ENGINES FOR SALE. TWO SECOND. BRITISH ASSOCIATION FOR THE ADVANCEME

DUDLEY AND MIDLAND GEOLOGICAL SOCIETY

and so which he attributed the comparative facility with which he offected the object— Mr. Houldeworth them described the contentment parts of out the object— Mr. Houldeworth them described the monet taken by Mr. Williams, by the was of his particulated but quick has been described in the fact that the productive of the particular of the formace, and would other rise change, with the card-one wash from congretions, but not applied Mr. Williams's apparatus to all the formace in one chinney in the concerne, unconsensed, Justice of the marks had been presented or consumed by this apparatus. The apportant of the marks had been presented or consumed by this apparatus. The apportant of the marks had been presented or consumed by the apparatus. The apportant of the marks had been presented or consumed by the apparatus. The apportant of the marks the transport of the parts of the part

these which gave ready access to the new, which gave so calve trivation to a fromen, and which were adopted to all attention in which stream builders are planed.

Mr. P. Ca.aim, after the very able expendion of Mr. Hembleworth, thought quite unaccessary to subse serve fully left the impertance of the subject, it wished to recover to himself the right of chamining the theory of Mr. Whitmen, from what he had heard and read, he did not fully concur with and he thought that theory was hardly horse out by chemical principles, at he considered it practically of he much importance, and that there was meant of travit and homogeneous or what Mr. Williams had communicated the public, that he feld, in commune with a great comber of previous, grave. I to that greatleman for harding come to Manchester, and communicated to its that greatleman for harding come to Manchester, and communicated to its that greatleman for harding come to Manchester, and communicated to at gallery an much valuable information.

The first, R. Pa agreeous, he proposing a vote of thanks to the chalment, and communicated to the partition of the sample the mark thilmslery will be the partition of the the following the and of Parliamet, they would demand from it to be the following the market producers to communicate, they would demand the Mylesty's authorite to general, but aim to the invest of the producers of eachet, that it should be consumed, be it therefore, and it he hereby consider, that it should be consumed, be it thereby considered, that it should be consumed, be it thereby outside the subject, that he would not compal a mean to he adequate his the Others of the subject, that he would not compal a mean to he adequate his the Others of the subject, that he would not compal a mean to he adequate his the Others of the chalment, for the treath he had taken out nonemen in the ment of the ment of the chalment, and the ment of the

Waven Enevaron.—Mr. Walter, is the course of an explanation of a Petent Water Elevator, at the Society of Arts, on Thursday work, and that the principle of action is momentum. It is simply a pumporal or tabe, fitted with a common spindle-value, aponing speedule, near keeps extremity; the lawer and of the tabe being immerced in the benefit to take, bited with a tensors spindle-raise, opening upweels, near its lowic extremity; the lower and of the take taking immersed in the water, a resignmenting vertical mestion, of very short range, and of considerable valuetity, is necessarished to it by attachment to a short cruek. The quick mestes is produced by consecuting a small drum on the cruek shall with the large driving wheel. The quicker of the take having communicated measurables to the water within 10, the take is suchtonly faceted destroyance, before the apward mestion of the water in destroyed by gravitation; an admittant planetity is admitted through the valve, and, when the take is filled, the water is discharged in a continuous stream from the appet and, as shith is curved for the convenience of delivery. Outs and other sould become one, which is curved for the convenience of delivery. Outs and other sould become one draws from the wall by the passey, and deficient with the water in large quantities. The object of this experiment was to show that, as if is very difficult to obvice this exaction, if is particularly adapted to the perspect of the excellent of the excellent of the excellent particular of the excellent of the small sensition of the Camparent. Hagh Lapsen, one of the Camparent's generals, had a green of the committy sheet Charles more skilled more, and satisficient bound to the face of the excellent of the take of the excellent of the face of the excelle

Was deen of the Mannearies, a threshed the giant, which with the programment in this cause, at the Denay of Germwall Chies, Someonet house, to deliver judgment in this cause, at the Denay of Germwall Chies, Someonet house, to deliver judgment in this cause, which had been deterred from the 26th inst.— A finit report of the arguments proved one appeared in last week's fourmal.]

Him Royal Him masses (who was at least to be former occasion, in his superplied robe) read, in a chear and distinct time, the judgment, which was to this effect. That the judgment is a constitution of the judgment had him positions in a control of the former occasion, or of the last, percentled any, that the plantifical had no ground for an application to a court of equility; for, whether it regarded the renormation of procession, or of the ore unsold, or an animate of the over disposed of, were to quieted, the vessel of must be sought in a court of law. No distinction could be drawn, because the claim was fur the procedure of misses. The Vice Warden had decided idea a court of law was for the procedure of misses. The Vice Warden had decided idea a court of court, but which were not on numerous as to decide the question.

He had, how ever, selled span precedents in the the Vice Warden's court, but which were not on numerous as to decide the question.

TALACRE COAL AND IRON COMPANY.

TALACRE COAL AND IRON COMPANY.

TALACRE COAL AND IRON COMPANY.

if third, however, stalled appen presentencing his the Unit, however, or compress as the special will be presented. "And," added his Reyal High Section of commercial to the close of the throated before the company of the company of

# LAW OF MINES AND MINERALS-ALLEGED TRESPASS.

LAW OF MINES AND MINERALS—ALLEGED TRESPASS,

VICE-CHANGES AND MINERALS—ALLEGED TRESPASS,

VICE-CHANGES COVERY—MAY DO THE STATE OF THE STATE OF THE COMmitment of three persons, tamed freezes the second or an ellipse sie for the commitment of three persons, tamed freezes the first of the manus related treeplant on ordain labels in Command, both of the manus of Polgens. The title to the
sands related flow, and a receiver has been in procession of the lance, under an
order of the county processored in 281. The deferreduces are the at the title under another
for over without flow, and a receiver hash been in procession of the lance, under an
order of the county processored in 281. The deferreduces are they a title to the sciencesia
action a former greated by Capitals Crease, the Lord of the Manue, and while the
receiver was in grammedour, in exercise of the right, they had colored agreed spons as
breaken my the searther of the land, and processored to work and streams. It is not to the searcher of the
tream was to complete on the receiver of the right had been a petition by the sensitive,
against which an order and for concentration of the plantiff. Of which the receiver was a processation, were under the concentration of the plantiff among
which an order on a specificate on the adjustment, and it was not
wiscent the receiver or an apprinted one balant of the plantiff among.

The Vice Cas were now soft, the receiver the string item apprinted on behalf of the
plantiff, who was alternated to be because the title of the land, becomes the receiver of
the receiver, the protein
were the order of the continued of the plantiff among.

The Vice Cas were now soft, the facility to the continued on behalf of the
plantiff, who was alternate to be because the life of the facility to receive the protein of
the receiver of the account, by taking agent therein the title on, and, therefore, the porture
continued and the included in a transferred on the continued and the continued of had noted in a finance and the continued of

AGRICULTURAL BANK OF IRELAND—LAW CHARGES.

ACRESON O, Honores and the control of the control of

are given up. What he avenue augment was, that fir-probable amount of his cours, and that the pignituit abo-longing that amount in court – subject to the Banter's so pay any forther sum that might be found couring to fir. Di Mr. Da Mota was who sayenged on the came did not Daff were allowed the three months which he demand cooks, the entire business of the bank would be unsprude injury of the shareholders, for whom the plaintiffs were His Haurous said, when the case had been before his served on the shareholders to come forward, and office have to make against the committee. No shareholder

have to make against the committee. No all made an order empowering them be manage committee. Since then the present plaintiff shareholders, and it was much to be regret noticed and willing to go on to unison for the woold make on the present metion was, the farminh into till of nosts, or as large a portion time, for the public officers of the Agricultura the Master be instructed to ascertain the clos and above all payments made out of them, instance in one month after, and also that the spoiling the of the greating up of the securities.

THAMES HAVEN RAILWAY AND DOCK COMPANY COURT OF COMMON PLASS—MAY 31.

THE DIRECTOR & ROSE,—Mr. Serjeant Boars served for a rule to she why the judgment signed in this case, and the proceedings thereon, should be coale, and why the directors of the company, or their attorney, thould the coals of the present application. The judgment in this action had got fault to March last, but I appeared that there were then only serve direct company, instead of twelve, which was required by the Act of incorporation of William IV., c. (68. There were, therefore, no parties to the sail who coally and the defendant.

The Cocur thought that there was no ground for an application to their a particularity in the present stage of the proceedings, particularly whan the dual soffered so long an interval to elapse between the time of signing judge making this motion. If the facts soluted were an answer to the action, it pleadable; but, upon looking justs the Act of Parliament, they thought the was no foundation for the argument, that the company could not be plan any action unless the full member of twelve directors had been requirity up and continued to serve.—Ruic refused.

COLLIERIES IN WALL/S END WASHINGTON AND MEM.

# COLLIERIES IN WALL'S END, WASHINGTON, AND HEBBURN.

COLLIERIES IN WALL'S END, WASHINGTON, AND HEBBURN, VIEW-CHANCELLORS' COURT—JUNE 1.

WADE CHANCELLORS' COURT—JUNE 1.

WADE CRESSION WHO had taken the manue of Wade on his marriage with the pinchell, and the principal defendants were William Russell, East, of firancepth Caris, in the county of Burham, who was formerly the loist owner with the restator, in hert Wade, of certain collieries at Wall's Ead, Washington, and Hebburn, in Duham, and Margaret Broughton. the daughter of the testator, and the object of the soilt was to have a some of Seer! Which was secured upon the testator's shape in the collieries raised for the benefit of the plaintiff. The only point of interestin the case was, that if appeared the plaintiff, who was the testator's grandianghing was married in 1815, when a actionset was exceeded under the direction of the Court of the property to which she was entitled, and nating to nearly deed per an num, besiden exten sirepermonal eviate, and that the only available perties of all the property was a som of 26 o.C., which appeared to have been dealt with in each 2 way as to raise a variety of questions of great complexity with reference to the conflicting interests of the parties. Mrs. Broughton, it appeared, has a life interest in the testator's share of the colleries, which she had encumbered, and a petitive by them having been brought on with the hearing of the cause, some technical cover for the present.

QUESTION OF SEIGNIONY OF MANON MARCON was the constant over first the restator of the cause stant over first the restator of the cause stant over first the cause stant ove

the britania will be the state of the state

CARLE STREETS STREETS STREETS

the testacter share of the parton.

the testacter share of the coller ies, which she had encumbered, and a prilities in them having been brought on with the hearing of the cases, some terchaical shiften having been brought on with the hearing of the cases, some terchaical shiften having been brought over for the present.

QUESTION OF SEIGNIORY OR MANOR DUES.

SETH 7, THE DUES OF HEARTORY—HIS HONOR delivered independs in the case, which was fully reported in our Journal of had week. It was a motion, for the present of an accordance of the production of papers, which were described in the schedule to the defandably answer, and admitted by Jain to be in his possession. The Duke of Beanber, a lord of a masor in the county of Gistmorgran, had brought an action against the plantific of the production of papers, which were described in the schedule to the defandably answer, and carried out to sen over Fernance ber. To this action the general issue had been pleaded. The plantiff filed a hill of discovery in add of his defence to the action. If a alonged himself to his bissue under Lord Japany of a colliery within the masor, and carried out to sen over Fernance ber. To this action the general issue had been pleaded. The plantiff filed a hill of discovery in add of his defence to the action. If a alonged himself to his losses under Lord Japany of a colliery within the sensor called tandwards, together with the carried of the case of

ir most sanguine expectations—and when catenaire surveys are being upon many countries possessed by England—at such a period, a work bearing upon these points, cannot fail to excite a degree of interest commensurate with the outsines of the subjects of which it treats, and with the amount of information contains."

It contents may thus be classified:—Trigonometry, land surveying, parish tweying, maritime, and subterranean surveying; these embrace the principal interest, with be found useful to those more experienced, while the information erred, with be found useful to those more experienced, while the information dered is in so easy a form as to render it comprehensive to those who make dered is in so easy a form as to render it comprehensive to those who make dered is in so easy a form as to render its comprehensive to those who make it engineering their study, but to whom a knowledge may be useful. Trigonetry, which forms one-half of the volume, requires but little comment, as principles are merely developed in a pleasing manner, with illustrations of attamples—in fact, forming a text book, so that if requires only to be depended to render the student master of his subject. Logarithmic tables, died to render the student master of his subject. Logarithmic tables, on the subject particular object may be attained; these are also accomments which is a subject may be attained; these are also accommended by diagrams with plates, so as to render the subject treated upon asid by diagrams with plates, so as to render the subject treated upon a plate and comprehensive; the several instruments employed in this as well representations and examples. Maritime surveying, which trikes of a mixed character, as not on the const, at the same time involved in important question are to the situation of rocks, shallows, and soundings a important question are to the situation of rocks, shallows, and soundings important question are to the situation of rocks, a shallows, and soundings important question are to the situation of rock Its ce

growth in his introduction for any especial notice being taken of "constitution and autherenaeous surveying "—with these exceptions, the work deserves our good word and recommendation.

Geology for Beginaers. By G. F. RICHARDSON, F.G.S., &c. Baillière, Regent-airest. eve., 530 pp.

This work is, perhaps, we may say, the best adapted for heginaers which take born published, comprehending not only an outline of geology, but embessing mineralogy, physical geology, fossil conchology, botant, and paleon-bessing mineralogy, physical geology, fossil conchology, botant, and paleon-lossing, with directions to the "type." thereby he may be enabled to form collections, and generally to cultivate the science. The aminor is well known as a lecturer of geology, and being connected with the Hritish Museum as use of its efficient officers. The object in the publication of the present volume, as a incture of the present volume, and officers. The object is the publication of the present volume, as a incture of the present public a work which that is "in short wore introductory than the excellent introduction of Mr. Lydi's that is "in short work in the substrated by Mr. Richardson, is that of presenting to the public a work which that is "in short work in the substrate of distances in distances, and excellent in the substrate present publication will be found not only adapted in the use of the student present publication will be found and classes of discary and scientific in a geology, but permissive to enable the reader to ecomperhend other works assuming a higher grade. The embellishments—Sil in number—embrace various ing a higher grade. The embellishments—Sil in number—embrace various diagrams and sections of geological, mineralogical, and organic remains, an idea of the publication of the work behind the work before an just and the publication of geology and the second of the work before an just and the publication investigation would never have procured for it so high a movelity of geological investigation would never have p

cross-Characa procleme level decision decision me, and decision re-jumine Co-re-jumine Co-re-jumine Co-me for Ender. re-formation of was of a see decision of the decision of decision of the decision of deci

ä

I harwindge.

The Two Stafe of the Notional Finance, with Semodul Supportion. By
S. Whith, Eng., Barrispeeding the Stage of the credes in our columns.

S. Whith, Eng., Barrispeeding the first substantial the supportion of the Stage of the

the control of the Kingerhotte pin, which is fine of the control o

in another phase has been accorded to the control of the control o

ORD DENMAN'S JUDGMENT on the "DOINGS" of

A D REM AN THOMAS WOOD D.

TALACRE COAL AND IROTH PROFERRY.

LIVERYMEN PACES AND RELIEVED. CRASSING, AND TRUSTER, OF STALACRE COAL AND IROTH PROFERRY.

LIVERYMEN PACES AND REFLECT! You will should be some to discrete an observed and important duty — that of circiting a representative of civin dign or the ensesting year;—it behaves you, therefore, to lose no time is satisfying you the ensesting year;—it behaves you, therefore, to lose no time is satisfying you cive to character of the todd vidual in whome you would repose that responding to the professional in the county of the professional in the Maying Joint of the professional in the Maying Joint of the professional in the Maying Joint of the professional in the profes

casts of his mercanile frameactions in the Mexico Jouana as Numbers, in which are embraced the entire charges from against him, can be procured at the office, 27, New Broad at

O BE SOLD, OR LET, VALUABLE SLATE WORKS in NORTH WALES, within an easy distance of the sea, held for a term of wisks years and upwards are mostapired, endpert to a royalty only, and on on A considerable soon has been expected in clearings, openings, and in the mountain through which the sists with roto rous, by which the existence of leastline quantity of routing sists, and sish of the best quality, has been put as double, and a very small capital will some to work it out.—Excellent rry, manufactored in Manchester, has also been structed on the premises, when he waster power. —For full particulars, and to treat, apply to have send to waster power.

## MEETINGS OF SCIENTIFIC BODIES

IN THE ENAUING WEEK.	
SOCIETY. FIACE OF MESTING. BAY.	
Royal Asiatic	
Entomological	5 F.M.
Lineman Tuesday Tuesday	S F. M.
Mosticultural T., Regent street Turnday	2
Civil Engineers 26, Great George street Tuesday	8 F. St.
Medico Botanicai	8 F. M.
Royal Thursday Toursday	85 F. W.
Antiquaries Bosserset House Thursday	9 P. M.
Al. Buckety of Literature ht. Martin's place Thursday	3 F. M.
Royal Astronomical Someraet House	B F. H.
Royal Institution Albamaric street 1, Friday	
Mathematical Crispin street, Spitalfields Saturday	8 F. M.

#### FUBLIC COMPANIES

Royal Polytechnic Institution Bank of Australia Grand Union Canal Basingstoke Canal Navigation Co Linnelly Railway and Bonk Co., Tragolian Mining Company Grand Janetion Canal, Bank of British North America. Manked of British North America. Manked Committed Mining Co. Manked Committed Mining Co. Wast When Javes Mining Co. Colombian Mining Americalism Banasacombe Mining Company.	
London and Birmingham R'way Cambrian Iron and Spetter Co	CALLS.  10. June 21 Bapte, Banbury, and Co.  107. July 11 As former cults.  21. August 2 London Joint Stock Bank.  DIVIDENDS.  13a. pre share 9, New Broad street June 1.

#### NOTICES TO CORRESPONDENTS.

ALBERNAN TROMAS WOOD -TALACRE ISON AND COAL COMPANY, -- A few or those Numbers of the Mining Journel which contain the various charges atlased against Alderman Thomas Wood, have been made up, and can be

obtained on application at the office.

Inc. awas Mercus Comeaux — We have received several communications express
tag surprise that our extracts from the correspondence should not have been more
duly given of late; and, motiverer, that a "certain report," resulting from in
qualrie localizated by the shareholders, should not have appeared. We have only
to state, by way of access, that our time end attention has been of able so compled with "the test." That we have been indented to the manager, or secretary
at the office for the tennomicalism of the extracts. As charges have been alleged
have far founded, we know out that they are "cost olded," we shall take care,
ore our next Number appears, to cost a glance over the correspondence and reports of the past few works, and, if of importance, give an abstract of the particular opport exferred to.

cular report referred to.

As OLO Minum."—A better having appeared in the West Britims of Thursday, infarring that the article which appeared in our columns connected from a party
announceded with the Journal, we feel it only due to correct on to state, that we
never have altowed the production of another, except by way of correspondence,
to be insarted. The leading articles, whatever may be their meelts or demontts,
are written with "our own" Editorial post, nod we are about responsible for them.
"As Old Minus "may have such with cariain journals where he could introduce
his own remarks as those of the Reliter—but, while others may be charged and
comviolited, we hold convenies beyond exploited.

however, in copy, that man-month to spinor out received.

New Yangers. We have to acknowledge the courtery, on the part of our contens
present, the Consenso Meacole, in Forwarding us citys of the "substance of momencan "presented by the Consenso departation to the Scotter Paul, the President of
the Scotter of Frade, and to Mr. Gindstone, but, as we apprehend subbing more
can be offered, and as the unbecame thereof has already appeared in not cotaming, we do not descent it necessary to give it to artism.

Mr. W. tother reached us too late to be attended to this work.

od "R. W" E. Phillips B. Donbarand "A Democritan" A Sub-er " C. E. W." "A Constant Reader " " Do. Ra."

To Annive and Carrains or Minne. The Midden will feel much confided to Capheina, and either Agends of minne, about and of house, by the transmission of apprinces of are, indestined with the trend designation of the nineral, and also the name, with the cour of placing than in a valinction, since being forward, hering for the algorithm account of the contraction destinates after the algorithm at the account minners in a fitth contract destruction and and administration of the account of the contract destruction and minners with particularly and described the described and undertained of index with actions of housest, provide course and, funds, with actions of housest, provide course as, funds, the ingriting accordably, and with the princed to common, provide course man, at any time, he made he for contributions. He agency the form time to time, to give pagence, broading an particular districts, in the collemns of the function, with an illustrative plane, ar surface.

# THE MINING JOURNAL. Blaitwap and Commercial Gaiette.

# LONDON, JUNE 4, 1842.

The information received from a correspondent, on the proceed ings of the ticketing at Trure last week, is such, that but for the inquestionable source from whence it is derived, we should be dis posed to doubt its correctness. In giving publicity to the state ent we wish it to be clearly understood that, while we do not pledge ourselves to its minute accuracy, we have every reason to dires the substance matter to be correct. It appears that on the bish ult the ticketing was held at Pearce's Hotel, Trure, when Mr. MICHARA WILLIAMS presided. On several parcels of ore being submitted for sale, those of the Consolidated Mines taking the pleace, Mr. M. WELLEAMS refused to take the hidding of the Minars' Company-and why, forweath !their bill; this objection was overcome by Mr. Bunnen, who is, we believe, a director, and attended the ticketing, offering each "No, said Mr. MICHARL WILLIAMS, we will neither take your hills nor your cash-in fact, so far as our ores are concerned, we will put you " out" of the market. Such was the case -- the next perrale were from the " United Mines," and two were purchased by the Minere' Company, but Mr. Williams, as a resolve-although, in this instance, he took the chair as a miner (while his agents were in the room representing him as a smelter's, feeling that it was neces. " swamp" the Miners' Company, after the tariff had passed, sky to "swamp" the Miners' Company, after the taid had passed, thinks fit to declare, that, should any of the miners accept a hid from the Miners' Company, they must the Commissional Miners, but Welliams and Co., the smothers' would not put forward an offer, and he may advocate the sole employment of Irish inhour, but in such case, to be consistent, he should return to Company, and thus would withdraw from a public ticketing. The result was

that Mr. Bunson, as representing the Miners' making further bids for the percels put up.

Mr. M. WILLIAMS We have only a word or two to say on this. is a smeller, purchasing at least one-fourth of the ores of this country, as well as those from Cuba and Chili. He represents the Consolidated Mines as a miser-he takes the chair at the Ticketing, and there forgetting the position in which he is placed as a miner, thinks fit to allow the smelter to give vent to his feelings. Better that ticketings were abolished than that such expositions should be made. We think that the miners will see for themselves, and, if they do not alter the system, be independent, and "act for themselves," by smelting their ores, they have only themselves to blame. This forms a pretty little appendage to the Ministerial Tariff.

The first quarterly meeting of the Dudley and Midland Goological Society will be held on the 7th inst., at the society's rooms, Dudley, when the committee will present " A Report on the Igneous Rocks and Volcanic Conglomerates of the South Staffordshire Coal-field " -- thus, at the first quarterly meeting of its members, giving practical evidence of its usefulness-after partaking of a cold collation, a party will be formed for an excursion to the Rowley Hills. Thus is pleasure combined with scientific pursuits, a useful lesson taught to existing societies, and an example set to those districts which have not heretofore availed themselves of the advantages which institutions of this nature hold out, where the objects are not confined to mere detail, and to the consideration of abstract questions or theories, but are thus rendered practically useful, requiring only to be known to become popular. We hope to see societies of this nature followed up in other districts where geology forms an equally interesting and important source of inquiry as that presented in the locality to which the labours of this society are more especially directed. The inaugural address, delivered by R. I. MURCHINON, Esq., the president of the Geological Society, at the first meeting of the members, is now before us, and will be perused with interest and pleasure by all those who are acquainted with the writings of the talented author, or who feel an interest in science, and we may safely assume, that not one of our readers to whom these remarks are addressed will be found from out the pale of geological and mineralogical science. As we feel satisfied the address will find its way into general circulation, it is only necessary for us to congratulate the society on having acquired the powerful aid of one whose life and fortune may be said to be devoted to the promulgation of scientific knowledge, and whose services are by all so highly esteemed.

The proceedings of the United Hills Mining Company call for a word or two on the way in which matters are managed. The deed provides for only three directors, but as it was thought desirable to have one in Cornwall, who tendered his services gratuitously, a fourth was appointed. This gentleman, however, drew his salary of 100% a year. At the meeting held thisweek, one of the London board (a gentleman who we believe to have been connected for many years with the undertaking) retired by rotation, but who was eligible to be re-elected. It was, on this occasion, stated that the finances of the company could not afford 4001. a-year, and, therefore, they would instal the illegal director instead of the one retiring—the worthy London directors feeling that less than their 100l. per annum was not sufficient to cover their responsibility : We offer no opinion on the merits or demerits of one or other of the parties, but we hate jobs and unfair dealing.

We have in another place inserted the letter of Captain JOHN PR-THERICK, the manager of the Knockmahon Mines, on which it is necessary we should offer some few observations. That gentleman denies our right to question the propriety of his conduct, and on this point we are at issue, for we hold it to be our province to make comments as we may deem fit, at all times, on men placed in whose conduct may be calculated to injure the community, and produce effects prejudicial to the mining interest, without regard to the individual, or his peculiar no-tions of "propriety." Mr. PETHERICE observes, that the "cenpropriety." Mr. PRYHEBICK observes, to marks " which appeared in a late Number, appended marks " which appeared in a late Number, appended the letter of a correspondent, renders it necessary that he should deny their correctness, and at once proceeds to say that he arould maligned the Protestants of Knockmahon and the immediate dis-Now, with the denial of the correctness of our remarks cannot object, if his premises be correct, but if that gentleman had been more "temperate" and cool in reading the comments we made, he wouldlifted that assuming the edict or law propounded by the worthy manager to be such as is conveyed in the words of our correswe were right in stating that the only inference to be drawn was that he did " malign the Protestants of the district," while any regulation of the nature complained of should be general, and not addressed to any one particular sect. We may observe that the ananymous writer is, of course, known to us, and we have adopted the words given in inverted comman, as those employed by Mr. Parhunden; but should we be mininformed, and that his imperious VHERICE; but should we be mininformed, and that his imperious and imperative orders were more general, then we shall be most happy to make the consude honourable, by giving insertion to the exact words in which the order or regulation is conched. It is with regret we find, however, that the complaint which we make on principle, as to the situation in which Mr. Paymenter is placed as manager of the mines, should not be confined to religion—temperance, repeal, and, for anglet we know, many other subjects totally irrelevant to mining, are threat forward by the manager, so as to create a feeling of jealousy and dissettisfaction, which is much to be regretated. We have this week received several communications, which we have not inserted, for they partake of too personal a character to assit our reclaimes, but there can be no doubt a strong feel. ractor to soit our redumes; but there can be no doubt a strong feel ing exists in the district, that fair and impurited justice is not dealt out, and that the nod of the manager is to be as imperative in its out, and that the mod of the manager is to be as imperative in its command as was the cap of Garana, in the days of William Trad. This will not do, neither should jt be sanctioned. As evidence of the feeling which this line of conduct has rendered manifest, we may refer to a satirical "poem" placed in our hands, and which we have noticed in another column, from which it is clear that the objection we raise is not either isolated or singular.

With respect to the closing paragraph of Mr. Parusanca's letter, we think he would have acted for more wisely had he observed allows. It is not our wish to prevent any man from expressing his opinions, but we untertain certain notions of what are the duties of a manager of a mine and what are not, while we are fully sensible

bour. We have not claimed to ourselves being anti-Repealers, therefore Mr. Petheratick unnecessarily goes out of his way to charge us with anything so "wicked." We do "maintain" that he is paid for his services, and it is much to be regretted that he does not strictly confine himself to his duties, and not allow religion, politics, and temperance to interfere. What would any of our mise adventurers or mannfacturers say, if their principal agent was not only the advocate of Chartism, but that he thought proper to write letters from the works to the Chartist delegates or committee? What if he was to interfere in Cornwall between the Churchman and the Wesleyan? What if he were to threaten forfeiture of pay, and discharge from employment, if the miner, when off duty, visited a "kiddlywink," or took his cup of ale with a friend? Let him discharge the man who, when in the hours of labour, neglects his work, or conducts himself improperly, but he must not rule with a rod of iron as "Lord of Knockmahon," and preclude the miner, after hours of work, from laying out his money in that way which he thinks best, or visiting such friends as he may think fit. We mae, well greatly if the directors of the Mining Company of Ireland were to send down orders that Mr. John Petherick should not apply his money to the national rent, or to the repeal rent—that he should lay out his money only with certain parties, and that others should be precluded from deriving the benefits arising from his patronage—whether that gentleman would not be the first to complain of the imperious and improper power assumed. Let him do unto others, then, as he would be done unto. Let Christian charity, which is taught by all creeds, lead him to its exercise, whereby he will secure to himself the good opinions of the rich—the good wishes of the poor. We have not claimed to ourselves being anti-Repeal

The regulations proposed by the New Tariff having passed, it is only waste of words to dwell on those several points which have been so unprofitably discussed in our columns. A letter we have received from a valued correspondent, "R. W." (generally opposed to our "notions"), we are compelled to defer until next week, when we shall take leave of the subject, for we feel that, however much of interest may have attended the discussion or arguments adduced with regard to several mining districts, to others its continuance cannot be considered otherwise than irksome. We have, however, a duty to perform towards the mining interest continuance cannot be considered otherwise than irksome. We have, however, a duty to perform towards the mining interest generally, and when a case, such as that which has lately formed subject for remark comes under notice, we feel called upon to express the opinions we entertain, founded not only on our own observation but that of others, more practically acquainted with the subject. Having said thus much, we have only to observe that with the next week's Journal we bid the Tariff farewell, sincerely hooling that all we have contemplated may be found to be strongled. hoping that all we have contemplated may be found to be erro neous, and that all the benefits to be derived from the proposed measure, augured by the advocates of free trade, may be found as to tend to the injury of the home miner-nous cerro

The judgment of Lord DENMAN, on the application of certain members of the Talacre Iron and Coal Company to strike Mr. Alderman Thomas Wood off the Rolls, for certain misdemeanours practised in his capacity as attorney of the court, to which were attached the offices as connected with the company of purchaser, vendor, director, chairman, and trustee, but of which the court could take no cognitance, is given in another column, and vendor, director, chairman, and trustee, but of which the court could take no cognisance, is given in another column, and, as will be observed, the court being confined to his acts as solicitor, felt bound to discharge the rule, although Lord DENMAN thus expressed himself in delivering the judgment:—" The whole of this matter appears so suspicious, and, we must add, so incorrect, that Mr. Wood has no right to complain of the rule being moved for by those who have suffered by following his advice at a time when he was solicitor to the company of which he himself was a member." We will say not one word in addition thereto, for pre-We will say not one word in addition thereto, for pre-d from the bench that the conduct of Alderman Traomas Wood has been "suspicious and incorrect," we have only to ask our fellow-citizens is he worthy to hold the high office of Lond Mayon of the City of London! It has been disgraced before, let

# CHEMICAL HISTORY OF PALLADIUM AND PLATINUM.

CHEMICAL HISTORY OF PALLADIUM AND PLATINUM. In a paper read by Dr. Kane, at the Royal Society, on the 17th ult., the author stated it to be his object, in this and in some subsequent papers, to examine specially the composition and properties of the compounds of palladium, platinum, and gold; and to ascertain how far they agree, and in what they differ, as to the laws of combination to which these compounds are subjected. Dr. Kane, in the first communication, commences with the investigation of the compounds of palladium, employing for that purpose a portion of that metal with which he was furnished by the Royal Society out of the quantity bequeathed by the late Dr. Wollaston; he describes the mode of obtaining the protoxide of palladium, and enters into analysis of the hydrated oxide, the black suboxide, and the true basic carbanate of that metal; detailing their properties, and the formule which analysis of the hydrated oxide, the black suboxide, and the true basic car-bonate of that metal; detailing their properties, and the formulae which express their mode of composition. The chlorides of palladium form the ment subject of inquiry; and the author concludes from his experiments that the loss of chiorine which the protochloride undergoes, when kept for some time in a state of fusion at a red heat, is perfectly definite; and also that the loss represents one-half of the chlorine which the sait contains. But in the double saits formed by the protochloride of palladium with the chiorides of the alkaline metals, he finds that the similarity of constitution awally expurring between the components of amonous me and protochastion in chiorides of the alkaline metals, he finds that the similarity of constitution usually occurring hetween the compounds of ammonium and potassium is violated. From his analysis of the oxychloride of palliedium the author concludes that it is quite analogous to the ordinary oxychloride of copper. He then examines a variety of products derived from the action of a subtion of countie potash on solutions of ammonia-chlorides of potassium; their properties he finds to indicate analogies between palladium and other metals, whose laws of combination are better known. The sulphate, the ammonia-aulphates, the nitrates, and the ammonia-nitrates of palladium, and lastly, the double oxalate of palladium and ammonium, are, in like manner, subjected to examination in a detailed series of experiments. The second section of the paper rulates to the compounds of platinum; and comprehends researches on the composition of the protechloride of platinum; on the action of ammonium on binindide of platinum; and on the action of ammonium on the properties of platinum; in which the properties of deduced.

Zeve. —At the Academy of Sciences, Paris, a note was read from M. G. Barrool, on the residue of the sinc of commer on treated with dilute and sel, on the residue of the sinc of commerces treates with dilute servicis. It has been said to consist of iron, lend, and earbou; also not to be an exide of sinc; and likewise tin. It is not malliable, lits fracture represent homogeneity, according to M. Barrant's tion; and farther, he says he has found it to be a compound of phuric sold.

pronounced to be an oxide of size; and likewise tin. It is not malleable, nor does its fracture represent homogeneity, according to M. Barrast's examination; and farther, he says he has found it to be a compound of tin 50°-6, lead 34°-5, sulphur 3°-5, with traces of irus, manganese. Attach he did not proportionate. All his numerous experiments gree tin. Atmosrummer Rain-way in Innaamo.—The Dublin Mercuntile did nertises says:—"Every strangement has been completed with the Government and the Board of Works, proliminary to the commencement of the line between Kingston and Dubey, on the stomospheric system. It the course of the eneming month the works will be in full operation; and thus the Dublin and Kingston Railway Company will have given the initiative in the practical adoption of a system which is calculated to predate much transcendently important results upon railway communication.

Eurosymany or Famanes and Dayanya Munta.—On Tunder

done such transcendantly important results upon railway communication. Entratvance or Famanian Ann Laranva 12 Maran.—Ch. Tamazemania, Lord Ashley, on rising to postpone the motion on this subject, which he had previously given notion, for leave to bring in a bill to see regulations respecting the age and one of previous choiced to work in mix and colliseries, said that the question was one which he really thought on to be settled as more as possible, but after the terrible result of the previous the firing of the Queen j. in consequence of which the regist is baroast had been given below the other eventing.—The posten was then postpost here given him the other eventing.—The posten was then postpost

etrong | conduct welfare the slig adopted all emp " Prote

ponder religious the pease people of With fitting of right to mert the matters. Sication Knock P.S.-

(Same pear is o Ganvilative to seeing the such isse his know another belongs

many yeal cannot und, to you enter unsware ing you. eight me rember, to Knoe o Kno look she attention cairing i the boar board he shout th the first the vast ran post Parely in the open creeted, duame," in his let visually to was word the water which lie have hit have he constal o chare of Knock m claim from he have his he has he had a post a series of his hear he had a post a series of his hear Petherici

mlary, 6 what adv He has I

Sea,— letter, to se bla of binquif of least do server to

ORIGINAL CORRESPONDENCE.

MINING IN IRELAND—KNOCKMAHON MINES.
TO THE RESTOR OF THE MINING JOURNAL.

Size,—In addressing you on the present occasion, I wish it to be disciply understood, that I do not, for a moment, recognize or admit your ight—even in your Editorial capacity—to question the propriety of my sendent as the manager of these mines; but the censorious remarks with which you have thought proper to accompany the insertion, in your last Namber, of another anonymous attack on me, under the signature of "A Small Shareholder," renders it necessary that I should distinctly deny, dial ever, on the occasion referred to, or on any other, "maligned the relikitants of Knockmahon and the immediate district," nor was there my mention whatever of them made at the time. You gratuitously and most unjustly assume that I did so, on the exparte statement of an individual, who is not responsible—to the public at least—for the truth of his ascritions; but had you done me the common justice of making yourself supainted with the circumstances of the case, before you ventured to indep in observations calculated to seriously injure me in the estimation of my employers and friends, you would have found that the course which I pursued on the occasion referred to was 'not only perfectly justifiable, but rendered absolutely necessary, by the outrageous and highly reprehensible conduct-of certain individuals employed in these mines, which, if not discked, would inevitably have occasioned serious disturbances in this immediate neighbourhood; and having on several previous occasions cautioned then without effect, and the subject having been brought under the motics of the magistrates at petity sessions, I was under the necessity of adopting strong precautionary mensures to prevent a recurrence of such disgraceful grounder, detrimental alike to the interests of my employers and to the willare of the community, and in doing so I carefully avoided making the alightest invidious distinction between the different creeds. The rule slopted for the above purpose wa

gion, papour mass not
f to write a
mmittee a
urchman
w of pay,
y, visited
Let him
lects his
ile with a
ile w

others, which is will se-rishes of

sed, it is the have we have opposed it week, however

uments here its e. We e. We interest formed

n to ex-own ob-with the rve that incerely be erro-roposed and not

certaia Ir. Al-ranours ch were chaser, c court and, as olicitor,

of this et, that ved for when

mem-T Pro-

to ask Long re, let

UM.

alt., the papers, ands of re, and prounds a with at pur-Royal he de-re into ic care, which re the iments of also

th the tution ium is suther spper, solu-sium; other

like The

Lestella Filera Partil

last west's publication.

(Same remarks on this communication will be found in another column, which we regret, on account of Mr. Petherick, the interests of Ireland, and for ourselves, we should be called upon to make. Neither freland, our aining in that country, will be advanced by these controversial letters, and we trust that Mr. Petherick will agree with us that enough has been said. Should be, however, wish to make any comments on the remarks which appear is our Journal of to-day, our columns are open to him, as they are, at all times, to others who may feel themselves prejudiced.)

MINING IN IRELAND-KNOCKMAHON MINES

Should be, however, wish to make any comments on the remarks which appear is our Journal of to day, our columns are open to him, as they are, at all times, to others who may fired themselves perjudiced.]

MINING IN IRELAND—KNOCKMAHON MINES.
TO THE SHARHOLDERS OF THE MINING COMPANY OF IRELAND.
GENTLEMEN,—A great deal of discussion having lately taken place relative to these mines, I have waited from time to time in expectation of seing the real discoverer of the vast tressures which have yielded you make immense profits make his appearance on the stage, but fearing, from his known difficience of character, that he may not appear, and allow mather to "walk over the course," and carry off the pain which no justly belongs to himself, and having been intimately acquainted with him for many years previously to his visiting Ireland, and entering your employ. I cannot, in justice to an old and valued friend, permit his claims thereto, and, to your consideration, be passed by unnoticed; but, previously to yentering on the unlight, permit me to assure you that he is perfectly unware of my intentions, neither has he the slightest idea of my addressing you. Subsequently to Capt. Davey's quitting these mines, and shout sight months previously to Capt. Petherick's arrival, you send, in Normber, 1832, Capt. James Clemes, from Ballyshobo Mine, as an agent is Knockmahon, them under the management of Capt. Reynolds; on Capt. Clemes's arrival, finding that part of your royalty which had been werked under Capt. Davey's management to be exhausted, he began to look about other parts of your royalty on the course of the load. His situation was drawn to that part called the "North Mine," and, on perceiving indications of coppy at the shallow adit level, be the chart deposits of mineral which has put used in member profits in your peckets. The result would have been the same had Capt. Petherick's never an include the unwaited parts of the hardy of the hardy of the hardy of the which had the value had been as a pent of the same and the

Redwish, May 20.

A Concase Mixer APPENTURES.

A Concase Mixer APPENTURES.

[As this letter is addressed to the shareholders, and not in us, we doubt not let it will be socioed by those interested. We get bloomed for our memories reducte," which are said to be uncalled for; in the present influence they are unconsury.]

MINING IN IRELAND-KNOCKMAHON MINES.

MINING IN IRELAND—RNOCKMARION MINING. TO THE RESTOR OF THE MINING JOTHNAL.

Sta.—I perceive Mr. John Pethorick is pleased to characterise my letter, inserted in Mining Journal of 14th leat., as an unprovided attack to his character. I consused that part of his conduct only which he had liment expensed in his own published letters—suching more. The axioms I had down with enforcement theories, may, or may not, he considered too revore to be acted on in his case. His bisatering about want of maximum and covariety assuitants of anonymous acquaints in no reply from him who

adopted "Pair Play's" communication. I therefore pure all this by, knowing that it will be rated at its true value. As I did blame him for his arrogant assumption, it might be wiser for him to learn that "blame is safer than praise." and that, if he can be saved from his friends, what he calls attacks on his character are only calculated to do him good, and his expressed wish to discontinue the disconsion, I sincerely believe, to be a symptom of his returning good sense, and not any fear of his as to the results, and I hope he will yet admit that it is neither "fear or shame" that is the cause of my withholding my name from my letters. I am not so vain as to think my name can add any weight to my statements of facts, and I do not wish to make any parade of myself before the public, particularly " as all great men are content to be little." In conclusion, I would beg to add, that if you, Mr. Editor, consider Mr. Petherick has established a claim to have my name given up to him, you are perfectly at liberty to do so, and I will abide " the coasequence," as I would not wish to give occasion to any one to say of one that I feared the resuntment, or couried the favour, of any man or set of men.

A SHAMEHOLDER IN THE MINING COMPANY OF IRELAND,

Littleton, May 25.

[We have to state that the name of our correspondent is known to so, and hall of the Mr. Petherick required it he ferticularly in the coasequence is and about the Mr. Petherick required it he ferticularly in the coasequence is and and about the Mr. Petherick required it he ferticularly in the coasequence is and and about the Mr. Petherick required it he ferticularly in the coasequence is and and about the Mr. Petherick required it he ferticularly in the second of the more in the second of the more in the second of the more interesting the second of th

[We have to state that the name of our correspondent is known to us, and shall, if Mr. Petherick requires it, be furnished him. He must, however, first "catablish his claim," to use our correspondent's words, to justify us in doing so. Let him prove that "A Shareholder" is wrong, and we will set him right.]

doing so. Let him prove that "A Shareholder" is wrong, and we will set him right.]

ON WATER-WHEELS.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—Inasmuch as your valuable Journal is that of a pro seem publice. I beg to be allowed, as a plain engineer, who knows something of nydraslics, to offer my humble opinion, in connection with others, on the water-wheel power. In the first place, I must say that, hitherto, there has no practical proof whatever been given to the public that power can be gained as 3 is to 2, but merely the absurd assertion of "A Miner "saying" he is borne out by theory." Surely such a scientific gentleman as Mc. Don-bavand has a right to complain "it is hard to tolerate challition of temper in men of superior genius and learning, but it is past endurance in men of inferior education and mediocre intellect." He ("A Miner") is an exceedingly bad mathematician, and, consequently, his false calculations and confused collocations have a strong tendency to lead some of your readers into error, for it is naturally impossible to come as near as 2 is to 5 in pumping water with a water-wheel—that is to say, 1000 gallons of water performing a revolution on a forty-foot wheel, cannot be so applied as possibly to raise 400 gallons the same height, or 20 gallons 133 fathoms high. And now, Sir, allow me to say, that your practical correspondent, Mr. Wheeler, recommends a very plain and satisfactory plan of measuring water, in No. 348 of your Journal. Let "A Miner" try his wheel by that role, and he will find the calculation of "P. V. W.," in No. 342, to be very near the trath.

If "A Miner" possesses a common degree of candour, I am sure he will very asom publicly acknowledge that he has been led astray by misguided notions, and present his warmest gratitude to your acionation correspondent (Mr. Wheeler) for the scholestic and convincing manner in which the real power is so ably explained by him.

Sucasses, May 28.

[While we admit the importance of the question at issue, we wish that our correspondent equ

ON WATER WHEELS.

ON WATER-WHEELS.

TO THE REITOR OF THE MINING JOURNAL.

Sin,—I find your correspondent, Mr. W. Wheeler, is determined to be thought right, if possible, by those who know just as little about hydraulics as himself. In the Journal of the 14th instant he (Mr. W.) stated that the length of the crank should be deducted from the arm (in finding the power of the lever) for friction on the axis. This, I think, was fairly proved to be erroneous by the two examples given by me in the Journal of the 21st inst., wherein two whosels of equal dimensions, but having the one a four and the other a one-foot erank, showed a difference in favour of the one-foot erank over that of the four-foot erank as 3 is to 2, whereas they ought to be equal. Mr. W. also said that you could not produce an author to support my assertions; but, Sir, I have directed him where to find three, and I might have taken Smeaton, Banks, and my friend Mr. J. Phillips—the letter going even to 75 per cent.

Mr. Wheeler has not at all adverted to these facts in his letter, published in the Journal of the 28th inst., he neither attempts to contradict them nor to acknowledge their truth, but merely contents himself with saying that his (Mr. W's) calculations are superior to mine. Sir, I cannot lay claim to the title Mr. W. advises use to take, for if it belongs to him who first mode an overwhot water-wheel perform 66 per cent. of the power expended, it must be awarded to some one who lived many a year before either of us, and I think that one who cannot build so good a wheel as his father, ought to have a "fool"s cap," instead of being called a "winsted," for doing so, Sir, I should like to have some further discussion on this subject, but I think if Mr. W. and I wish to benefit ourselves, or any one else, we should fairly understand each other, and if reither convince the other of a truth he was not before acquainted with he should acknowledge it, and by so doing the discussion would be beneficial to each of the parties.

Mr. Wheeler "trusts that some other sc

TALACRE COAL AND IRON COMPANY.
TO THE SETTOR OF THE SETEING JOERNAL.

Big.,—Having been given to understand that Mr. Wild, of Nottingham, has made a compression with Giyn and Co. for 1000f, and costs in an action, and that certain other proceedings are pending against that gentlemen and a Mr. Handlepte and Teylor, as also Mr. Chappelow—who, I find by your paper, is in the First—allow me to sak whather all the shareholdors are liable, and how I can get rid of my liability, if my? I did not sign the deed, but I get some shares pained on me.

June 3.

[M. our surrequested has not size of the find on dealth whether he is it.

[16 our correspondent has not signed the dead we doubt whether he is it. also. We would recommend him to apply to his solicities or in Mr. A charat, who will advise him.]

IMPROVEMENTS IN STEAM-ENGINES.

IMPROVEMENTS IN STEAM.ENGINES.

THOMAN WILLIAM PARKIN AND REISHA WYLDAE PATRIT.

[PROMA COMMISSION OF THE PARKIN AND REISHA WYLDAE PATRIT.

[PROMA COMMISSION OF THE PARKIN AND REISHA WYLDAE PARKIN PARKI

the first three, and I might have taken Smeaton, Banks, and my friend Mr. J. Philippen-the latter gaing even to 7 to per cells, it is that, and the controlled the provided the 20th than, he refers tempta to controlled the provided the 20th than, he refers tempta to controlled the provided the 20th than, he refers tempta to controlled the grides has not at all selected to these facts in the provided that the (Mr. W.) substitutes are superior to mine. Bir, I cannot large visits to the title Mr. W. advises must be taken for it is point of which a provided the substitutes are superior to mine. Bir, I cannot large the provided that the provided the provided the provided that the provided the provided that the provided that the provided the provided that the provided that the provided the provided the provided the provided the provided that the second tempta the provided that the provided the provided that the provided them to the provided that the provided

\* When county the whole of the pronounce of cleam is common the top of the clien raine, a decide one may be a sel to the present advantage, thereto makes asset the whole of the plane waters every strike to the prompts with the county and the client waters are provided to the prompts.

their crigin might be vary much the same. He supposed it highly probable, that these cache, which reagained the products of waiened; action in the same or other formation, which speakers, and constitution, and the series of features they achieve themsolves of the curries. We night next in origin, which they might themsolves of the curries was a finite same of the probable of the series of features they achieve the curries of the surface was a finite to the curries of the surface and solidites, and the series of the surface and solidites appearance like that of statutary marks. He noticed the effects of the contact of green line-stance and sandshoots in Satisbury Cruige (Arther's Sent), Edisburgh, by which the mandetme was so may be offected that it might be polithed for justices. Mr. Headow had been and the came in contact with certain angiliarce and the shares of the Mean, which came in contact with certain angiliarce and the shares of the Mean, which came in contact with certain angiliarce and the shales to which he referred crystais was produced, come of stolike, and herst was to produce crystall fination in many substances; and in the shales to which he referred crystais was produced, once of stolike, and the the wiley of the Text. In contact with the forward may be added to the certain of the sanisations being from herizontal, in consequence of the distribution of partner, which height be engaged to be convent to the waiter, instead of the sanisations being from herizontal, in consequence of the distribution contact of the sanisations being from herizontal, in consequence of the distribution contact of the sanisations being from herizontal, in consequence of the distribution of the sanish consisted of anotherous and shades. Green masses of grainte, were presently though for the sanish consisted of anotherous and the sanish contact of the sanish consisted of anotherous and the sanish contact of the sanish consisted of anotherous and the sanish contact of the sanish contact of the sanish contact of the sanis

# PROP. VIGNOLES'S LECTURES ON CIVIL ENGINEERING.

PROF. VIGNOLEN'S LECTURES ON CIVIL ENGINEERING. WITH FRACTICAL ILLUSTRATIONS.

LECTURE 7.—This heature was devoted to the consideration of curve agent railways, and Mr. Vignoles pointed out the principles on which should be compared the seconomy and advantages to be obtained by the adoption of mores, with the beconvendence attending on them; the saving of expenses formation, earthwark, bridging, An., by curving round antural obstacles; the advantages of attaining a mere level flore, avoiding interference with valuable property, or approaching towns, mineral or manufacturing establishments, their, all outstring into the former—the practical inconveniences of additional resistance in section and retardation of velocity to cause anfaty using the act-off and, among other elements, it was sinked that the breadth or general of the railways affected the calculation. The Professor then showed that along very wide valleys, through champaigus countries, and where the remains affected the calculation. The Professor than showed that along very wide valleys, through champaigus countries, and where the remains of the railways at right angles to their general direction, he saving by interest on the ofference of the direction, and, consequently, has the convex may be had not so flat as to be practically equivalent to traight flore—the " excidence de formate," to one a Franch phrase, bring, is such districte, to be severemently obtained by the interest one of the country, but, is transferance of the line and trailing on the interest of the country, but, is transferance of the line and trailing, to the interest because a common from energy becomes very great, and the introduction of curves at the greatest possible action; consistent with safety, is allowable. Mr. Ignoles these west on the country to a find the provide the provide decrease actions from courters on railways. He heges by application the safety the find provides the country thanks and the consistent possible action; consistent with the fine of the country wheels alw the florests, the wheel being freed to the cartings, the whole help state of the properties of the properties in charge spaceties. According to the requirement of the comments where the cartings, the whole help states which the said water cannot the cartings, the whole help states which the said cartings had for territing with said water remain thereing to the requirement of the comments where the cartings and the cartings, the care motives to give the cartings, it is to the cartings, the care motives being the first the carting with the cart the whole always government to the cartings, the care motives being the carting with the cart the whole always government. A many districts are carried that the source water is considered by the carting the carting the care to the cartings, the care motives the cartings of the cartings that the cart the terms proposed that two includes on the frequency of the three cartings of the cartings and the tangent for the cartings to the cartings of the cartings and the cartings of the cartings and the cartings of the cartings and the cartings of the cartings to the cartings of the cartings and the cartings of the cartings of the cartings and the carti

THE MINING JOURNAL,

special. The contribugal force due to the velocity of the carriage was cent to be considered. As before stated, its tendency in moving round a curve is to heep a temperating course; this forces may be assurately compared (being dependent on the velocity of motion, weight of the carriage, and the radius of the weight of the carriage, representing the contribugal force. The Professor gave the forevoids, and worked it out in supposed velocity of security mover than 17 miles power, or about 20 feet per secund, on a curve of 200 yards radius, whence the scattringal force per secund, on a curve of 200 yards radius, whence the scattringal force made the in-30th of the weight of the merigae. Mr. Vignoles quoted the following ruber-viz.

"mailiply the square of relocity in feet per second by the gauge of the mility way, and divide the predicate by the accelerating force of gravity, multiplied by the radius of curvature in feet," which gave an expression, which, though not the fraction of the weight, was what would do very well for practical and ordinary purposes; it was the height which the outer rail of the way should be elevated, to construct the coveringal force, and prevent the wheel flying off at a tangent to the curve. He then stated M. de Pambour's more strictly mathematical, but more complicated, rule for obtaining the same amount of cirvation of the outer rail, and showed the table of results calculated by that agrices and by Mr. Wond, of which we give only the extremes, by which it appears that, supposing it safe to excounter an sharp a curve as one of 250 feet radius, at the rate of thrity miles an hour, the outer rail of the way mult be elevated twelve inches; but, for a radius of 5000 feet, or nearly a mile, at the rate of its miles per hour, the requisite elevation is only 1-16th of an inach. Having clevated the outer rail, the atle of the carriage, repting on the two rails, gets such an inclination as will produce on the force of the miles and the carriage of the way in the carriage,

## PROCEEDINGS OF PUBLIC COMPANIES.

EAST TRETGIL MINING COMPANY.

The annual general meeting of the proprietors of the above company was seld at their office. St. Mildred's court, on Tuesday, the 21st inst.

G. H. HEFFELD, Edg., in the chair.

The minutes of the last meeting, as well as those of the joint meeting of he Tretoil and East Tretoil companies, were read and confirmed.

The CHAIRMAN then read the following directors.

The minutes of the last meeting, as well as those of the joint meeting of the Tretoil and East Tretoil companies, were read and confirmed. The Cut at all All then read the following directors.

In pursuance of the resolution of the joint meeting of shareholders in this and the Tretoil Company, held in the month of February last, the directors caused all the works in the East Tretoil Mine to be asspended at the end of that month, and commangements, have sow motions in only relative to the prospects and consiliation of the mone to the statements than Jail before the shareholders, but ventors to tope and money of the money to the statements than Jail before the shareholders, but ventors to tope at most distortion of the money to the reading of the two mines together under mon standagement. Under the above conviction, and the authority vested in them to the working the mines jointly as have been decemed mont expedient.

With a view to verything the two acts to egether, it will be accommany, at the joint expense, to sink a new and permanent engine-shall on the boundary between the two minose, and evactably to creat an engine of anticlent power to desire both setts to an adequate dispth, which it is attended cannot properly be done, by an angine committed position part of the state of the company for got this mine in a productive condition with an little delay as pensile, they have account of the state of the company for got this mine in a productive condition with an little delay as gon-shie, they have account to the such and it is now down to the total particle of the such in the condition of the state of the such and it is now down to the total fallow in the mine in a productive condition with an little delay as gon-shie, they have account for the such and it is now down to the thirty fathous level, and the other staff brought to the continued to the farty fathous five to improve the such the following the sheet. At these other money to be such as the condition of the sheet of the such and it is now down to the th

mines.

The forfeiture by the directors of all shares upon which the per share had not been paid was then manaimously confirmed was also meanimously adopted.—The CHARMAN then put a succeed with the management of the mines, which was carried

opposition.

The thanks of the meeting were then voted to the chairman and and the meeting adjourned.

Is the course of the percensings Mr. Warrz, sen., brought a charmon of the directors, of having so trafficked in the sh company that it was impossible to ascertain their real value, that if he held a large interest in the company he should certainly a that gentlemen be removed from the direction.—The CHAIRMAN of he could not defend Mr. Mount, nor could he say anything further matter, as Mr. Mount was not present.

## UNITED HILLS MINING COMPANY.

reinburned by the deceming of those halvans which otherwise coald not have her calculated upon, the directors treat this expenditare will be found to be beneficially be future working of the miss, and issuare to it a large grout from this time forward. The Corasmaras stated that Mr. Garland was in the coom, and would asswer any questions proposed by the proprietors. He regretted the fixturing accounts useds inst year had not been faithlied, but there had been two same for their non-fulfillenct; in the first place the water, and in the second to the first place in the proposed state that the average tribute was from 5s. to 9s.—it varied from 3s. to 12s. This was no hope of reducing the expenses at the mine to any great entent. A conversation then ensued, as to the expediency of having the accounted the company removed to a joint-stock boat, so as to receive the interesting a per cent. allowed in those establishments, but the matter was ultimately left to the consideration of the directors.—It was then moved, seconded, as carried unanimously.—" That the report be received."—Mr. Twa the stated, that, as Mr. Chambell retired from the direction by rotation, he can not see why Mr. Michael Williams should not, as he was constantly belief words and forwards between London and Corawall, act as the London 6 rector, and thus save 1001, per annum to the company. He therefore moved." That Mr. Michael Williams he a town director is place of Mr. D. Campbell, and that the office of country director he not filled up. "—Mr. Campana, along that the office of country director he not filled up. "—Mr. Campana, and that the office of country director he not filled up. "—Mr. Campana, they get to have been able to have managed both, but, that business not having made that hands of the proprietors.—A long and tedions discussion ensued, duty which it was stated by Mr. A. Lawne, that Mr. Michael Williams was clothed a mount of the directors, he feeling assured that two was an improper number, is there could be no vote; and, besides, in ca

TREGOLLAN MINING COMPANY.

TREGOLIAN MINING COMPANY.

The annual meeting of the above company was held at the offices, St. Midred's accurt, on Saturday, the 19th bit., when the directors' report was midwind stated that a very small monthly outlay over and above the product would be required to bring the mine into a profitable condition. In or raised and sold during the past year had produced about the sum of 24th, premonth, at an average price of about 4th. 10s., per too, making the total go-duce for the year about 29006,; while the cost had amounted to 4260f. De dobts, at the end of last year, amounted to the sum of 740f, or thereabouts, will the assets 66th; and the present amount of debt, including the estimate amount of May cost is about 1230f, to meet which, assets, including the pertion of the last call remaining unpaid, the money due for ore and, and to over at surface, will amount to about the sum of 1020d, independent of the mechanism, and other property on the mine, the estimated win of which is about 1600ds, being an increase on the valuation of inst year.

The meeting them adjourned.

CORNUBIAN MINING COMPANY.

# CORNUBIAN MINING COMPANY.

CORNUBIAN MINING COMPANY.

At the namnal general meeting of the proprieture of the above googen-held on the 31st nit., at the offices, 44, Finabury-aquare, the report of & directors was read, which stated that the purchase from the former propriors, of the mine materials, had been completed for 1500%, and the level is agreed to great a own lease for twenty-one years at reduced done. The openess of planting the mine in working order had greatly exceeded the efficiency, which was raused by the manner in which the mine had been framely worked, so care having loom takes to source the different leads to make the mine had been framely worked, so care having loom takes to source the different leads to was of a contly nature. Every particle of our visible had been taken the two of a contly nature. Every particle of our visible had been taken the the mine, and the company had had to pay 1000%, in two months, to put it mine in fair working order.—The report was, after a short conversion adopted, not the meeting adjourned.

the data of the da

ENGLISH MINES.

the train, in the most of the courts of Chieveston looks, shown its admittance, there is a larger and findly handling trainers of the most of the court of the co

String III

andly neglected, class of the labouring population of the hingdom.

At the conclusion of the paper the returns of the accidents in the or mines of Lard F. Egerton were read, extending over a period of three year by which it appears that, out of a working population of 1803 individua composed of 1809 makes and 180 females, 22 persons were hilled and 80 or rinuxly injured—forming a total of 101 sufferers, 42 of whom were marking and had 100 children.

Tildesley-rum-Shackerley.—John Daneaster, a collier, who was employ in a coal-pit, in Tildesley-cum-Shackerley, belonging in Mr. Nathan a kersisy, of Spindlepoint, near Clifton, on the soruing of the 17th inch, istend of his nafety imp, used a candle, and an explosion of "free-dame was the result. Several other men were at work in the same shaft with about 300 yards of the deceased, but fortunately the effects of the explosion did not reach them. The deceased, but fortunately the effects of the explosion of the explosion to take him out of the pit, and procure him medical sid. He was stantly conveyed to the surface and taken home, and on the came day to Infirmary, where he died.

Staceley-Oh Monday last three young men were seriously beret is coal-pit belonging to Mr. Clark, of the Hague; one of them, named Mr con, lies in a dangerous state, but hopes are contextand of his recovery.

Duddy Hill, Broofford.—On Monday afternoon, whilsta man named Mr con, lies in a dangerous state, but hopes are contextand of his recovery.

Duddy Hill, Broofford.—On Monday afternoon, whilsta man named Mr con, lies in a dangerous state, but hopes man explosion of fire damp took place, blowing him to ear the pit mouth, a thea full back again to the bottom of the shaft, a depth of from sinty to eventy yards, by which he was literally smeahed to piecew. Another miner, the name of Pollard, was also so decedfully burnt that his life is despaired. This is the same pit in reference to which we had lately to record the head life by an explosion, and of nother by being guide in the mechany.

Fir

MINING NOTICES.

## WEY MARKET AND CITY NEWS

CHRRINT PRICES OF ENGLISH AND POREIGN PUBLS.

smooth Money, 014

Bitto Accounts, 1014

set his per Cents, 1014

set his per Cents, 1014

sethenpier Bitts, 42 4 pm.

spiram Boacts, 5 per Cents, 102 8

spiram Boacts, 5 per Cents, 102 8

spanish, 4 per Cents, 5 per Cents, 72 4

Chill, 6 per Cents, 64 8

contember, 5 per Cents, 72 4

mention, 6 per Cents, 110 14

Meximan, 6 per Cents, 10 4

REMARKS ON THE OPERATIONS OF THE WEEK.

RATURDAY, May 25.—The Registe touchs were steady throughout the day, and the market presented not feature of importance. Money was easy, and offered freely under 2 per cent, for short periods; Exchequer Rills, lits, 4's, pm.—Mexican Ricci advanced to 15' §, in consequencies of satisfactory advices received of the state of that Republic, and the progress flants Anois is making in the development of the resources of the country in order to increase its revenue. Spariet New 3 per Cents, also advanced, and several buyers came forward; its isel quotation was 14 §. In other securities there we little alteration.—The railway share market was chiefly occupied in preparations for the settlement on Monday.—In joint-stort banks, Lymbon and Westmicoter were done at 21¢; Union Stack of An straits, 20¢; dille, new, 15.

He be entered to be the standard of the standard countries as a standard to the same as last post.

The pressions on gold at Parin is 10 per mills, which, at the English Mint price of \$1. 11s. 104s, per counce for standard gold, gives an exchange of 20 ofs, and the exchange at Parin on London at where theirs 20 kHz, is followed that gold is order per cast, despect in London than in Parin.

By advices from Hambergh the price of gold is all per mark, which, at the English Mint price of 2s. 17s. 104d, per counce for standard gold, gives an exchange of 15 dl, and the exchange at Hambergh on London at short being 12.72, it follows that gold is all per cent, despect to London than in Hambergh.

The course of exchange at New York on London is 10th per cent, and the per of exchange to twee England and America being in 20-30 per verst, it follows that the standard is the per cent, and the per of exchange in the per cent, and the per of exchange is the standard the standard or the per cent.

The columnage of the pro-count agreed Engineer, but the quotien status of them in above difference.

WEDNEEDAY.—Business relained to tearnquil appearance in the market for Engine according for him above difference.

WEDNEEDAY.—Business relained to tearnquil appearance in the market for Engine according to the place, prices backly flustreaded 4 per cent. the considered the day. Cash was more advantaged to the place, prices backly flustreaded 4 per cent. the considered the day. Cash was more advantaged to the process of the place of the prices of the According their granted flust of contral process of the prices for the According their granted flust of the price for the According their granted flust of the price for the According their granted flust of the price for the According their granted flust of the price for the According their granted flust of the flust of the prices for the According their granted flust of the flust of the prices for the According their granted flust of the flust of the prices for the According to the granted flust of the flust

[From our sum correspondents.]

Pakin, June 2.— bord Centa, 1986, sin., 4 per Centa, 1686, 5 per Centa, 1686, 5 per Centa, 1686, sin., 4 per Centa, 1686, 5 per Centa, 1686, 5 per Centa, 1686, 5 per Centa, 1687, 1647, 1648, 1

pd. See, samer, Sci. See.

LAYEST PRACES OF 1818H STOCKS. — 3 per Cust. Consein, Did., St Stock
Stat., ditto New, incd., rdd., ht per Cust. Debenderes, Did.; Enak Stock. Fire
of Kingelows Raifway, Shi., Dubbin and Direglook, hi.— Hibstrian Bank, Shick.
Sayal Bank, bid., Privatorial Bank, Sd.—City of Hobin Steam Congusary, 1974.

Actio Stock, 1807, httl.— Steam Ship Embling Company, St. J., British and Frid
City, St. — Mandonal Passachuse Chappany, Sajd., Patriolis, 742.— Stielog Company
of Steined, 1807, Workhow Copper Mines, 155.

cities, \$14. Nanderseal franchement Company, Bayl., Patriodies, 74. Steining Company of Spained, \$44. Whickness Copyed Mines, 155.

MERCLATELE, Fing same a. — As the later solvance upon month of the conditions call, was absorbe most with one contrasposating rise in the private of our broad lines, it extends he segmented than decide from common to be coded more than a contragate over some fast selected than about four common of the coded new that a restructuate our some fast selected than about four common of the coded new that a restructuate of the code of the cod

thom at St. to 185, per dann. Leads and feelbry wanted at \$4.5, so are therefore and Rotterinson at 25[6]; — North Militand Rollway, \$65.1, York and Storth Militand, \$25[4], Leads Constant, \$25[4], Leads Constant, \$25[4], Leads Constant, \$25[4], Leads Constant, \$25[4], Leads Constant and Rollwartham, \$25[4], Leads and West Riding, \$2.1, Leads Constancerial, \$2.1, York Chand Constant, \$2.1, York Chand Constant, \$2.1, York Chand Constant, \$2.1, Leads and Liverpool Const, \$2.1, Leads and Liverpool Const, \$2.1, Leads and Liverpool Constant, \$2.1, Leads and Liverpool Constant, \$2.1, Leads and Vorkshire Associance Constant, \$2.1, Leads and Yorkshire Associance Constant, \$2.1, Leads Sew St. S. Constant, \$2.1, Leads Se 21, York City

Commercial Solicines, 294.

BULL, Trucasar, — Prices seem again drives to their lowest, and it is not unlikely that a reaction is at hand. Of this there are, indeed, obready signs in the improved demand for those lines the prices of which seem most forcourship to investors.— Simmingham and Derby Railway, 80, Birmingham and Gionester 111, Grand Junction, 1954, Grest Worth of England, 854, Grest Western, 914, Hall and Scily, 3954, Lendon task and Scily, 984, Livrepool and Manchester, 1964, London and Simmingham, 1864, London and Brighten, 2944, London and South-Western, 867, Manchester and Emmingham, 274, Market 1964, London and South-Western, 867, Manchester and Leeds, 844, London and South-Western, 867, Manchester and England, 864, South Eastern and Dover, 294; York and North Midland, 884, Edinburgh and Ghagow, 514, to 527, Northern and Eastern, 637, to 44.—Tork City and County Bank, 27, to 184, Yorkshire Livit, 81, to 194, Hail, 74, Yorkshire Layroullorsk, 141, Sanderiand Joint-Stock, 161—Hall Dock Company, 1770.—Hall Gaw Works, 244.—Hall First and Cotton Mills, 1861.—Hall Marine Insurance Company, 1104.

BEISTOL, Fainay.—For some days past we have had more bosiness, but to-day one convicte accordingly flat, and closes heavily at my cuctations.—Great Western Railway, 886. to 196.; baives, 646. to 196.; briefed and Exerc. cl. to 441. Bristol and Gionessier, 54. to 51., Brossingham and Gionessier, 54. to 51., Brossingham and Gionessier, 54. to 52.

Entern Counties. 54. to 94.; Taff Vale, 66. to 701.; London and Brighton, 354. to 524. Bristol Gas Company, 507. to 351. Cheltesham Union, 311. to 224.

EDINBURGH. Wauwanay.—Edinburgh and Glasgow Railway. 524.; Dalkeith and Edinburgh, 364. to 500. Taffon, 244. to 26.

EDINBURGH. Wauwanay.—Edinburgh and Glasgow Railway. 524.; Dalkeith and Edinburgh, 364. [Chapter and Ayrabirs. 274.] Whitaw and Coltness, 274.; Dunder and Arrough, 284.; Liverpool and Maschester, 1874.; North Union, 711.; Paris and Rouen, 171. York and North Midland, 1724.—Albien Bank, 274.; Borcogh, 134.; Landschetz and Liverpool Dictrict, 164.; North Lancashire, 544.; Manchester and Liverpool Dictrict, 164.; North Lancashire, 1874.; North and South Wales, 44.; Royal, 6574.; Borth Lancashire, 1874. Thousand, 1974. Burkey, 1844.; Birming-MANCHESTER, Turnspay.—Birkenbead and Chapter Railway, 284.; Birming-MANCHESTER, Turnspay.—Birkenbead and Chapter Railway, 284.; Birming-

3/L.; Unice, 109/L.
MANCHERTER, THURDRAY.—Birkenbend and Chester Railway, 20/L.; Birmingham and Giomenster, 11/L.; Manchester and Birmingham, 2/L.; Manchester, Bedton, and Bory, 5/L.; Manchester and Lends, 50/L.; Misland Counties, 7/L.; North Midland, Londs to Derby, 68/L.; Defficial and Manchester, 24/L.; York and North Midland, 3/24.—Bank of Manchester, 4/L.; Rinckport, 2/L.; Manchester and Liverpool District, 104/L.; Manchester and Balford, 10/L.; Bouth Lancashire, 4/L.; Union of Manchester, 6/L.—Manchester Fire and Life Assurance Company, 9/L.—Union Pinte Giont Company, 6/L.

Proto Grant Company, e.g. Birding and Rirmingham Railway, 179f. to 1801.; London and Brighton, 3541.; London and Bouth-Western, 62f. to 63f.; Sreat Western, 80f. to p.f., Birmingham and Derby, 49gf.; Birmingham and Gioucester, 24f. to 52f.—Birmingham and Company, 19f.; Birmingham and Midland, 3M.; Birmingham and Haffordshire, 72f.

# SALE OF COPPER ORES IN CORNWALL

Sampled May 18, and sold at Tyack's Hotel, Camberne, June 2.

Mines. Tons.	Price.	Purchasers.	Mines. Tuns. Price. Purchasers.
Bust Crofty 83	4 1 0.	. Williams.	Stray Park, 94 #5 6 0. Williams.
- ditte #1	2 10 4.	. Viviana.	United H. 70 4 0 S., Williams,
ditto 47 .	7 5 8.	. Williams.	ditto 64 4 2 0
ditta 47	4 4 8.	, money	ditto 61 4 2 6. Mines Roya
ditto M	A 15 6.	- Manner	ditto 32 11 11 6.,
41150 SA1		. P. Grenfella	dirto 164., 5 0 ft.,
differ \$54	1 5 0	. Williams.	ditto 104., 5 0 0., Williams,
citte 34 .	7 1 0.	- MANAGE	East Pool . 65 4 11 0.,
Longoloms #2	6 18 0.		ditto Nig. & S. S. Viviana.
4168to 78	4 9 0	, Section .	ditto 261., 5 S 6., Williams.
ditto 43	7 15 6.	. Viriana.	ditto 45 5 10 6
Dolecath., 100		g Minimal	ditto 41 \$ 13 0 Vivians.
ditto 71	2 17 6		ditto 40 4 3 6
688n 79		Freemans.	S. Basset 83 5 10 4 English Co.
differ Ci		Viviana.	dilles 77 4 10 0
ditte 61	3 9 8	, more	ditto 34 9 17 0
frewavas 128		Nevill & Co.	40tto 34 . 6 H fl
6186 91 .	8 4 4	Viviane.	Treleigh C. 64 5 4 6
GBn 74	7 10 0.	, MARKET .	dittes 43 5 6 0
F. Cunsols 114		Freemans.	ditto 62 4 IN S., Nevill & Co.
ditto 19	6 15 f.	Nevill & Co.	Trotoli 48 5 2 0., Vivians.
sitte 71	6 19 6.	F. Grenfella	ditto 48 5 2 6 Williams.
Famer C 93 .	4 9 6.	Williams.	ditto \$3 3 8 6 Viviana,
elito 91	4 17 0.	Freemans.	ditto 18 9 6 6.
4ittn 27	4 10 0	-	Harmony . 47 \$ 19 6 Williams.
Camborn 1	. 15 .	Vivians.	ditto 18 8 10 6
Venn /		TITIME.	ditto 18 3 10 6 Vivians.
diffin &f	5 9 6.	Nevill & Co.	Cardrew 10 A 1 4., Williams.
Strar Pack 55	2 7 6.	Freemans.	W. Harriot 42 2 8 0 . Freemans.
435to 24 .		Crown Co.	ditto 40 4 11 6
		TOTAL P	RODUCE
East Wh. Crofty )	***		United Hills 254 # 1250 4 6
Longolose	688 A	F 3292 6 8	East Fool 942 1421 10 0
Dolorosth	370	1472 14 4	South Wh. Basset 231 1362 6 0
	218		Treirigh Consols 189 954 15 0
Paz Comonia.			Tretoil
Fower Consols			Wh Harmony 1
CHARLEST TO THE	Bod ISSIC	1300 10 0	THE RESERVENCE ! 458 9 8

Camborne Vene ) 255 ..... 1437 10 0 (Cardrew .....) 93 ..... 282 14 0 Average standard, 1121. 13a.—Average prostore, 74.—Average price, 31. 3a. 6d.—inosidity of cre, 3.361 toma.—Quantity of ion occuper, 233 home 14 cvst.—Assessed to copy, 17,627. 5a. 6d.—Average price and and 11a. Average price.

COMPANIEMBLY WHOM THE ORES WERE PURCHASED.

Charles and the control of the contr	Tone			Am	mak	A
Missa Royal Company	1034		4	673		
English Copper Company	Dist.		10	2041	14	
Vitian and Sons or convenience to any	9154		10	4081		
Freeman and Co	483			3170		
Greatel and Sons paragraphy and property	10 Gg	144511		48:	LB:	
Crown Copper Co	24	1600		137		
Sime, Willyama, Noville, Bruce, and Co	Baro	111611		10007	17	
Williams, Foster, and Co	10044			3196	2	
	20000		0.00	-	-	1000
Total .	BUSINE.		40.1	Name of		-

Copper cove for sale on Thursday covil, at Andrew's Hotel, Redruth.—Misses an Parcella.—Freezy Consels, 27, Wheel Virgin, 56; For Consels, 277, Levans, 52 Wissel Virgin, 56; For Consels, 277, Levans, 52 Wissel Virgin, 56; For Consels, 277, Levans, 52 Wissel Chemistry, 19, For Consels, 277, Levans, 52 Wissel Chemistry, 19, Wheel Virgin, 56; For Consels, 277, Levans, 52 Wissel Chippensoles, 53, Smoth Wheel Nephron, 27; Owen Venn, 51,—Total, 1675, NO. SALE on Thursday, the 16th of Jone.

#### SALE OF COPPER ORES AT SWANSEA. Sampled May 11, and sold on the 1st June.

D.100	V-100	Francisco	Street.	Buon		West	Ding	Produce	Road	Priva	
Culter	186	- 12	1074 1	18	0	Searbaren.	200	104	1944		
ALORUS.	91	124	. 204 Y	16	*	ditto	. 79	10	198 .		
			1005 9	1.0	9.	Bandings	. 88	194	. 944	. 21 6	
diller.	78	. 314	1984 8	1.0	86	ditto	. 86	334	- m.	- 21 #	
			1004 9	18	6	ditto	. 53	28	904.	. 19 14	
			1634 9	19	6	4000	- 10	248	94 .	. 21 0	
	77		93410		4	Kourkmalon	m 85	117	Doby.	. 9 3	
			Bid I B		41	4000	. 62		1260	. \$ 19	
			. 93 9	8	6	4000			. 119 .		
			meg., 14		80	diete	105	. 64	1114		
			1984 . 14		(8)	Copiago	11.0	744	34 .	. 32 18	
district	Sib	120	1000 14			# CO	80	174	. 854	- 33 14	18
41800	7.00	124	. 10mg 10			#100m					16
4000	9.0	704	. 36 . 19	2		Chill,					
4555cm	856	11.		8.8		4000					4
40000	14	20.0	. 942 . 15	. 9	86	40000					
40000	8.1	- 88	. 80 10	1.8		differ.	7:00	437	- mag	39 14	
400000	2180	1.54	. 191 19	2		6 200mm	1.5	65	90.6	56 E	
41950	49	100	199 14		œ.	4000		. 685	. 10	A6 11	
			- B44 . IS			Crossians	74	40	1.04		0
			DAGE			ditto					4
			1000 0	1.2		Yingia Gorde					4
			100s. I	18		Cute					
6860			- HILA B	13.		leyeda					
Dearbarre.			1041					. 1			
	-	-		141		ACCRECA		-			
Continue.		1500				Chomelean		i ins			
Company Co.		1000	a proper or	100	П	Consideration of	24. 41	1000	100	-	2

#****	1987	Cuts	2		Einglin Gireda	. 84	1 676	A.	- 1
40	798	SIMILE.	88		Cuba	. 66	1.5MK		-
- mailton	266	111279	116	4	L/Wymbs	19.	9.2	0.91	- 5
M	552	, becks			Visc Eng.		- 20	-	-
THE REAL PROPERTY.	Mil	- Booting							
	Finds book.	Miles.	0. Pi	real	amount, #45,75%	15 6			

CONSTRUCTOR BY MINOR INT CANA	Town.		Ail	MODE OF	Mr.
Roadinh Crases Company	2078		41902	8	
Processed total Co	20.5	0.00	\$145°		0
P. tinesinti and from	eR.		963		100
Sime, Willrams, Neville, Brace, and Co.	8 45		1000	4	- 9
Victor and State	9077		\$ 160,000	28	-
Williams, Fromer, and Cin	14 Tay		16800		
Missel Royal Conspany	388.1	45 500	63-06	pa.	

Titled (Topper some for sale from this — Chief 114, diffe. 1 ]. diffe. 10., diffe. 10., diffe. 11., diffe. 10., diffe. 11., diffe. 10., diffe. 11., di

# ON JUNE 1, 1877

	District de	hitched a ba	-		
Francus Foreign, to 0 0 to 1 for delivery List.  For delivery List.  English sheet Quricasivas per lb.  Inou-English bar, &c. p. ton  Mall reds  Horpe 0 0 0 to  Election Wales  Fig. No. 1, Wales  For. Swedish. 0 0 to  Rossian, Ccop	40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tro-Eng	Cake p. to For. cake in the S. Am plish, block in hers rign, Bane Strai Peru No. IX. Yes p. be beet milled	per lb.  0 0 0 ts  0 0 0 ts  0 0 0 ts  erican  s, &c. curt.  ts  vian  box 0 0 0  st less  p, boa	
Brast-Swedish keg p. ton 181. Paggot Corres - English sheathing. 1b.	18 19 0	Pie-Lass	hite	******	33
EXPORTATION OF GOLD A he Customs, the export of the p and colonial ports, for the week Silver coin to Han Rilver bars to Han	ending Ti shargh	bursday las	the official the port of t, was as t 150,500 on 1,000	return pui d London t under —	
The amount of silver coin and	ballion :	shipped at	Dover for	Culais in th	

## COAL MARKET, LONDON.

OOAL HARRET, LONDON.

MONDAY.—Prices of coals per ton at the close of the market:—Bell Robush Hartley 16 6—Bodder's West Hartley 17 6—Holywell Trader 16—Old Tanfeld 16—Ord's Redbeegh 14 6—Reynolds's Hartley (unscreened) 14—Bouth Pontop 18 6—Tanfeld Moor' 16 6—West Wylam 12 3—Wylam 15 3—Hertley 17 6—South Gonfeld Cinders D—Wall's Red Bewicks and Co.'s 18—Hotspar 16 6—Kulingweit 12—Belmont 19—Braderiy's 'Betton 29 6—Harwell 20—Hertley 33—Robins 17 6—North Durham 16 2—Remurt's 20 6—Borburn 16—Bodge 19—Tees 19—Bodge 19—Bodge 19—Bodge 19—West 19—Bedge 19—West 19—West

Hough Hall 20—Adelaide 19—Tees 19.—Ships artired, 69.
WEDNESDAY.—Bell Robson's Hartley 14.9—Carr's Hartley 18.—Ho
—Nolson's West Hartley 17.4—New Tanfield 13.6—Ord's Redbeugh 1
Wylam 15.3—Wall's End Cleonell 16.—Killingworth 16.9—Wharce-liffe
mont 19—Braddyin's Hetton 29.6—Histon 19.6 to 29—Lambton 29.—Hot
—Stewart's 26.—Whitwell 18.9—Tees Histon 15.—Tees 19—Cowpen 1;
by 17.6—Howard's Netherton Main 17.6—Llangenaech Coal 21.—South
Cinders 29.—Ships arrived, 23.

FRIDAY.—Hebburn Main 16.6—Holywell 16.6—Nolson's West Hart
New Tanfield 13.9—Old Tanfield 13.6—Hodges 16.8—Northumberland 1
19.—Mull's End Cleonell 16.6—Holywell 16.8—Northumberland 1
19.—Mull's End Cleonell 16.6—Holywell 16.5—Northumberland 1
19.—Mull's End Cleonell 16.6—Holywell 16.5—Northumberland 1
19.—Hartlepool (unscreened) 14.—Adelaide 19.—Garmant Stone 23.6—Sofield Cohe 29.—Ships arrived, 179.

### PRICES OF MINING SHARES

Shares. BRITISH MINES. Paid.	Price Shares. BRITISH MINES. Paid, Print
400 Auglesey	
4,000 Bedford	24 4 4,505 TamarConsols 3 20 5
4,000 Biason Bridge	. A 6.000 Tip Croft
100 Botallack 175 .	.360 4,500 Tretail
20,000 British tron 70	fildie 170 Freviskey and Barrier
8,000 Biarnaron 20 .	114 W Tresavean
120 Brewer	100   120 Trethellan
79 Budnick	50 4,000 United Hills
1,000 Carn Bres	170 6,000 Wicklew Couper
2,000 Cornubian Lead Co 3	44 3.845 West Wheat Jewel . 10 . 40
1,000 Cornwall Great United 104.	1 23 Wheat Vor
512 Cook's Kitchen	30
112 Charlestown	200
120 Crogg Braws	
10,000 DuthamCounty CoaiCo. 27	9 10,000 Anglo Mexican Co. 100 9
2,000 Danescombe	2 3.374 Do. Subscription 25 25
6,000 De Dunstanville	- 2,000 Holanos
200 Diamond 34	19 : Diffe Series 10 41 41
128 East Pool	380   10,000 Brasilian Imperial 91 428
4,000 East Tretoil 1	1 10,000 Bollvar 20
128 Gavrigan	22 4 10,000 Ditto Serie
100 Great Consols 97	1000 10,000 Cats Branca   Brasilian 64
10,000 Hibernian 124	24 10.000 Conceion / Co. 4
1,000 Holmbush 14	At 12 mm Cohen Consess Consesses 44 440 M
2,000 Inic of Sark (Guernery) 11	13 S. 500 Culombian Co. regio 85 Bill
80 Levant	1400 10,000 Contano Mining Co 134
10,000 Mining Co. of Ireland 7	154 20,000 General Mining Asso. 20
128 Mostyn Mines 160	400 5.831 Mexican Company 584. 1
3,000 Polheron Consols 10 .	12,000 Mocaubas and Corner 25 44 8
2,000 Relietian	A ( Real del Monte, regio, 634, 18
5,000 Redmoor Consolidated 5	10 norveistand
10,000 Rhymney from 10	14 Ditto Loan Notes 130
100 Hosewall Hill 100	100 7,000 Royal Santiaco 10
800 South Towas 16	1 11,000 St. John d'el Rey 15 191
64 South Wheat Baset	410 80,000 United Mexican 40 10
37 Speam Moor 70	100 Bisci Serip, addi canital 4
4,000 Tregolian 4j	I Red New Berip 5

# BAILWAY SHARE LIST AND TRAFFIC RETURNS.

Line.	Entire Leth.	Now.	Present ac-	Pri. co	Val.or	Last week
Arbevath and Porfer Railway	15	15	£ 151,645	25	n	4294 4 3
hirmingham & Deeley June.	- 48	384	855,944	ina	49	1145 19 4
Birmingham and Gioucester	336	. 84	1,013,728	100	555 4	(94) 9
Brandling Junction	25	23	452,694	45	-	959 10 4
Choster and Birkenhoad	144	144	414,664	80	34	496 16 4
Dublin and Kingstown	6	6	333,294	100	274	649 15 6
Dender and Arbroath	144	164	154,084	25	25	-
Eastern Counties*	1964	124	1,425,170	39	94	100 10 4
Edinburgh and Glasgow	41	41	1,233,234	50	52 14	2014 9 9
Glungow and Art	81 -	48	609,545	43	49	1001 18 1
Glasgow and Paintey Joint	224	775	2346,6634	99	78	909 to 18
Gd. June. & Chester & Crows	1114	1152	2,192,647	100	185	7944 12 6
Great North of England	79	45	1,800,600	100	874	1184 231
Great Western	110	716	5,246,544		PE 80	18594 14
Harle	10	1.0	175,000	1646	-	219 14 3
Hall and Selley	31	81 1	450,000	340		D45 10
Lancaster & Presion June.	904	294	800,000	424	174	419 17 4
Liveryood and Manchestey	85	31	1,410,000	100	186	Aug. 21. 3
London and Birmingham	1124	1124	3,724,967	900	C78 A	16014 11
London and Blackwall	54	24	BIG (BIG	7.6	10.23	1144 12
London and Brighton	88	45.8	3,000,500	546	764	2510 10 1
London and Cropdes	184	1004	557,00g	188	184	M2 7 9
London and Greenvolch	24	48.1	790, W/S	20		901 9 3
condem and finally Western	9.7	22	2,289,587	884	400 1	7544 8 9
Sanchester, Botton, & Bury	14	18	779.006	200	-	
Stockester & Birmingham	45		1,104,812	45	200	
Manufactor and Londs	24	10 1	2,375,508	200	941	4475
Hidiand Counties	15	42 1	1,410,790	Toes	-	75et 4 18
fewrantie and Cartinle	- Back	400 F	756,000	166		LANC TO
feweratic and N. Shinks	-	-	912,477	5.5	-	1000 10
furthern and Endern?	800	254	204.913	40		
Forth Midland	224	729	2,509,667	1 44	-	
torth Union!	200	13	165,000	74	734	-
veston and Wyor	Dia	194	ET 1, AND	200	144	ALS TO U
Buffield and Manchester	400	-	20-1 AST	200	-	110
length Easter's	40	40	1,675,400	-	=	111
The restaurance of	2			200	mi	204 1
Fork and North Midland	-	200	E25,245	TEA	212.0	1 1
THE REAL PROPERTY AND ADDRESS	800	68	491,596	30	Polit R	Lette 2 3

\* Sociosing Northern and Eastern Railway Inil.

Countiles about 1301, per week included in the retorns.

2 The Liverpool Manufacture tool in declarated.

Construct Printed and Published by Haware Even, og. (the Proprietor, No. 15', New Broad advest, in the oldy of London; where all Consess